

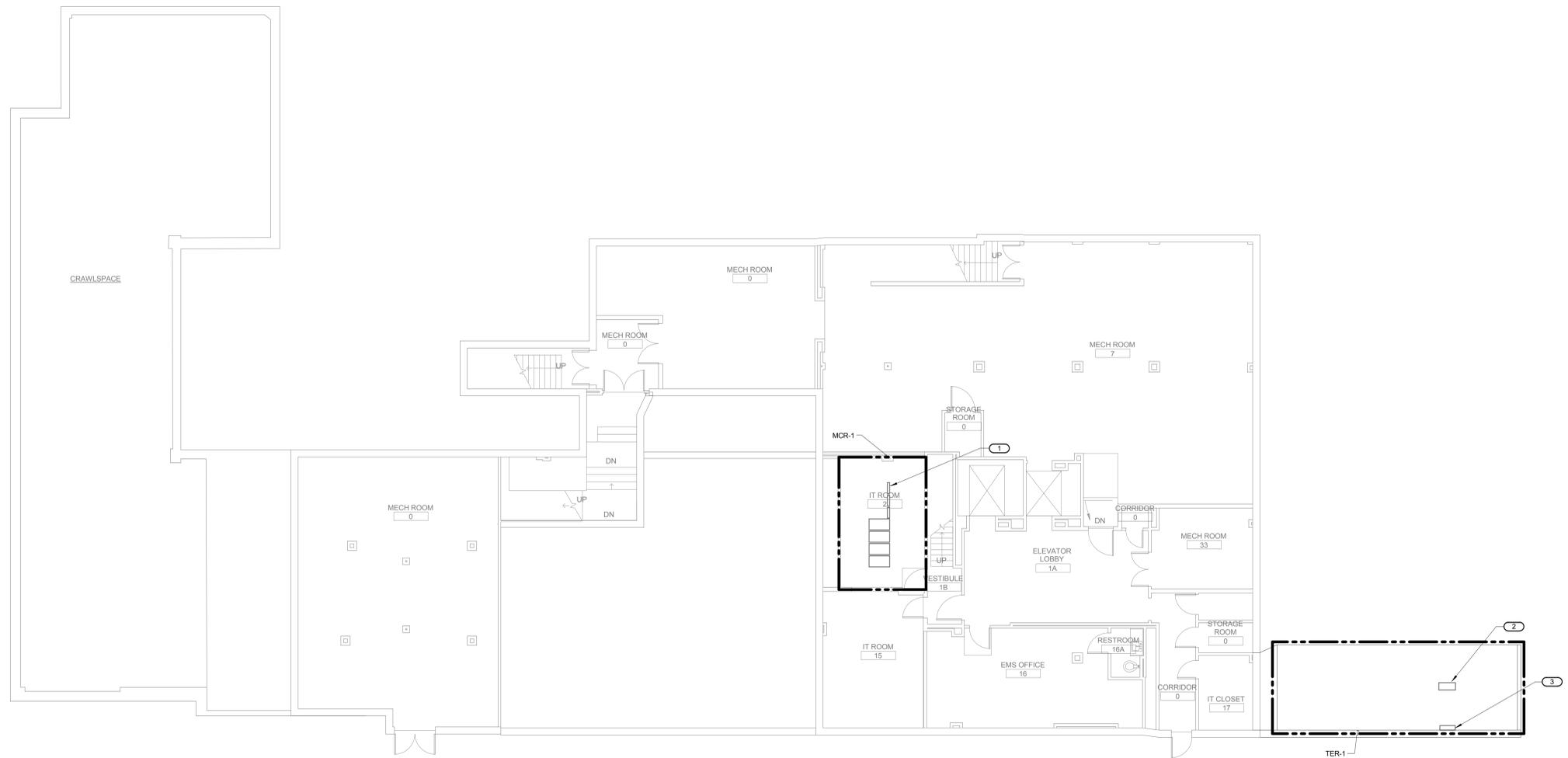
- SHEET NOTES:**
- REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 - REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 - REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 - REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
 - REFER TO 5/T502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 - REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
- KEYNOTES:**
- REFER TO 7/T502 FOR EMERGENCY CALL STATION BASE DETAIL. CONTRACTOR SHALL PROVIDE IP INTERCOM, POE FIBER OPTIC SWITCH, MOUNTING BASE, EMERGENCY HOUSING, AND ALL ASSOCIATED EQUIPMENT. OWNER WILL FURNISH AND INSTALL CAMERA AT A FUTURE DATE.
 - REFER TO 8/T502 FOR EXTERIOR HAND HOLE DETAIL.
 - INSTALL ONE (1) 2" UNDERGROUND CONDUIT.
 - INSTALL TWO (2) 6 STRAND MULTI-MODE FIBER OPTIC CABLES.
 - INSTALL ONE (1) 6 STRAND MULTI-MODE FIBER OPTIC CABLE.
 - TERMINATE CONDUIT INTO HC-1. REFER TO T103 FOR ROOM LOCATION.

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot
 one eighth inch = one foot

1 SITE PLAN - TECHNOLOGY
 1" = 20'-0"

REVISED FOR BIDDING	10/27/15	CONSULTANTS: HEALTHCARE PLANNERS: VOA ARCHITECTS MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS CIVIL ENGINEER: JD ENGINEERING COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.	ARCHITECT:  MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC. 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112	Drawing Title	Project Title	Project Number	Office of Facilities Management  Department of Veterans Affairs
				SITE PLAN - TECHNOLOGY	RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER	549-130	
				Approved: Project Director	Location	Building Number	
					BONHAM, TEXAS	1	Drawing Number
					Date	Checked	Drawn
			APRIL 13, 2015	DAVLAR	KEIEVE	Dwg. 131 of 142	

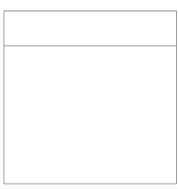
- SHEET NOTES:**
- REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 - REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 - REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 - REFER TO 2/T501 FOR TELECOM RISER DIAGRAM.
 - REFER TO 5/T502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 - REFER TO T001 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
- KEYNOTES:**
- TERMINATE NEW FIBER OPTIC CABLE IN A NEW FIBER DISTRIBUTION CABINET (SC-FDC-1) IN THIS CABINET.
 - EXISTING 110 TERMINATION BLOCK. TERMINATE COPPER BACKBONE ON AVAILABLE SPACE. COORDINATE LOCATION WITH OWNER.
 - EXISTING PAGING SYSTEM HEAD-END. REFER TO 1/T502 FOR OVERHEAD PAGING SYSTEM RISER DIAGRAM.



1 BASEMENT FLOOR PLAN - TECHNOLOGY
1/8" = 1'-0"

REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:
 HEALTHCARE PLANNERS: VOA ARCHITECTS
 MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
 CIVIL ENGINEER: JD ENGINEERING
 COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
 INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.



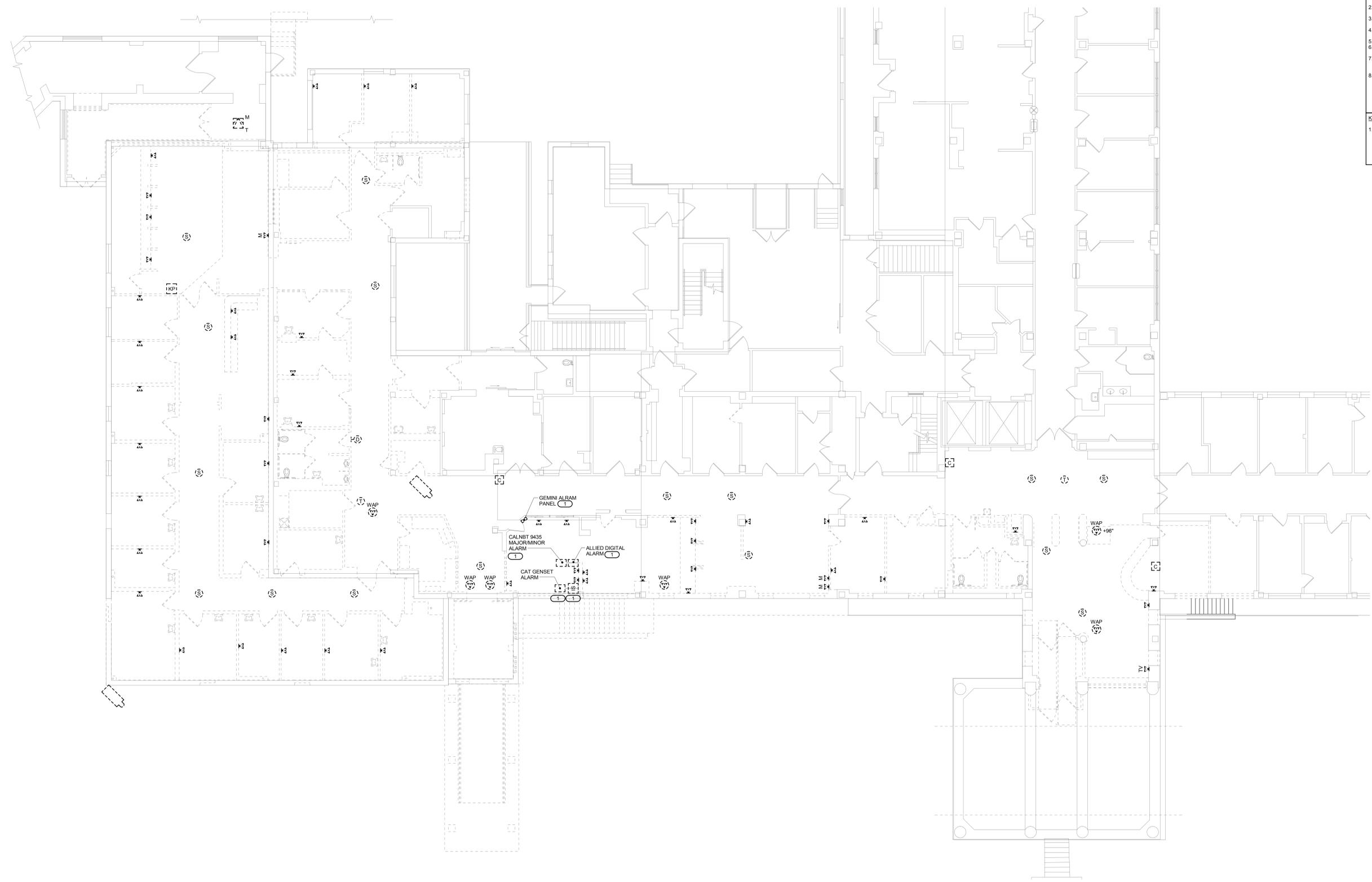
ARCHITECT:
MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
BASEMENT FLOOR PLAN - TECHNOLOGY
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number 549-130
 Building Number 1
 Drawing Number T100
 Dwg. 132 of 142

Office of Facilities Management
 Department of Veterans Affairs

- SHEET NOTES:**
- REFER TO T000 FOR GENERAL TECHNOLOGY NOTES.
 - REFER TO T000 FOR TECHNOLOGY DEMOLITION NOTES.
 - REFER TO T000 FOR TECHNOLOGY SYMBOLS LIST.
 - REFER TO T000 FOR INFORMATION OUTLET SCHEDULE.
 - REFER TO 2T501 FOR TELECOM RISER DIAGRAM.
 - REFER TO 2T502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 - REFER TO T601 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE. CONTRACTOR SHALL REMOVE ALL CABLE TO ITS SOURCE. CONTRACTOR SHALL REMOVE ALL TECHNOLOGY OUTLETS AND CABLE FROM THE DEMOED AREAS. DEVICES SHOWN HAVE BEEN IDENTIFIED IN THE FIELD. HOWEVER, THESE DRAWINGS MAY NOT INDICATE EVERY DEVICE OR CABLE THAT IS REQUIRED TO BE REMOVED.
- KEYNOTES:** (#)
- DEVICE SHALL BE RELOCATED TO SECURITY OFFICE. REFER TO 2T104 FOR NEW LOCATION. CONTRACTOR SHALL SCHEDULE DOWNTIME AND RELOCATION TIME WITH OWNER PRIOR TO TAKING DEVICES OUT OF SERVICE.



1 FIRST FLOOR EXISTING BUILDING DEMOLITION PLAN - TECHNOLOGY
 1/8" = 1'-0"

REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:
 HEALTHCARE PLANNERS: VOA ARCHITECTS
 MEPFP + TECH + STRUCT: KJWW CONSULTING ENGINEERS
 CIVIL ENGINEER: JD ENGINEERING
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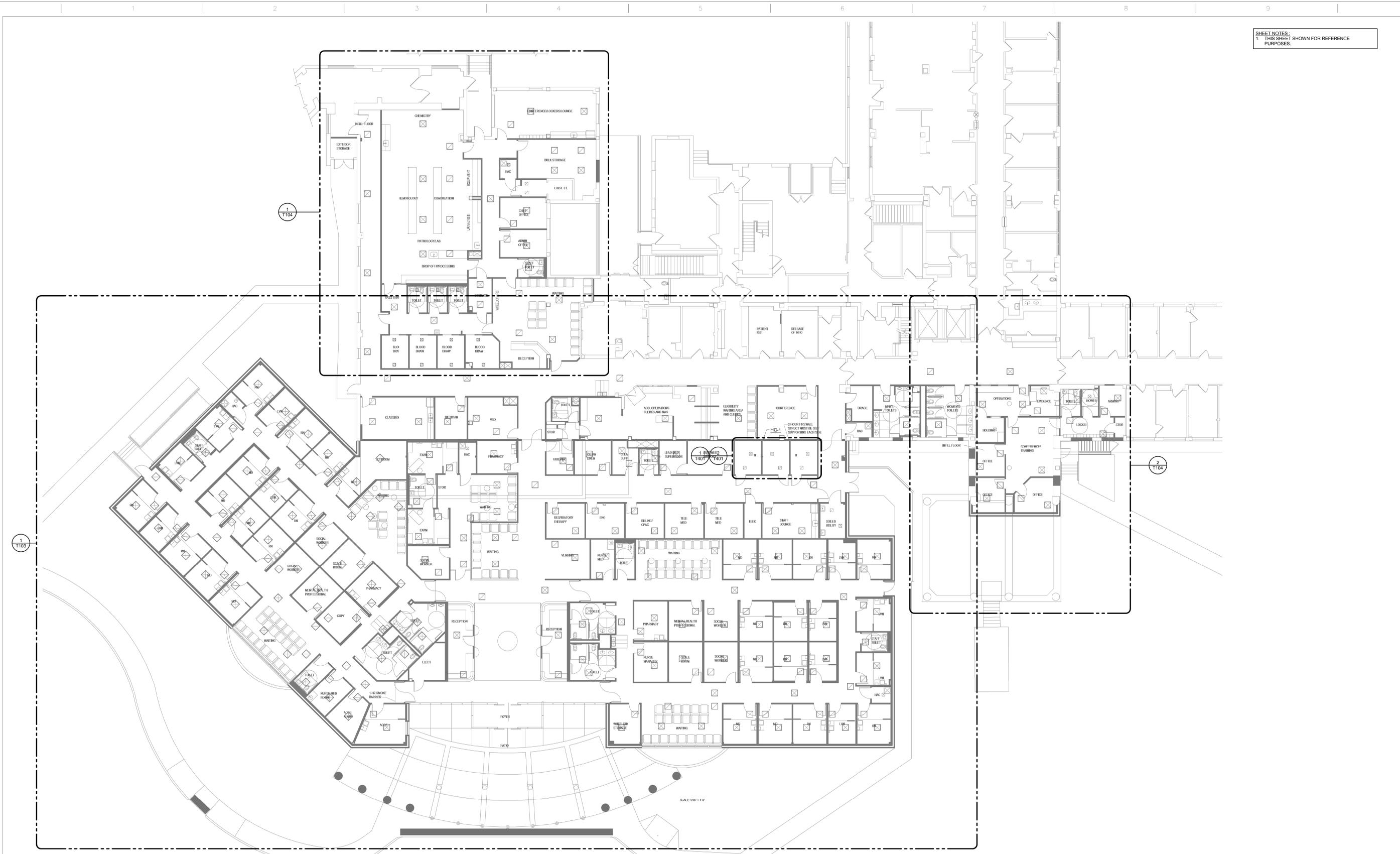
ARCHITECT:
 **MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.**
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
FIRST FLOOR PLAN – TECHNOLOGY – DEMO
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number 549-130
 Building Number 1
 Drawing Number T101
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Office of Facilities Management
 Department of Veterans Affairs

SHEET NOTES:
1. THIS SHEET SHOWN FOR REFERENCE PURPOSES.



1 OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION - TECHNOLOGY
3/32" = 1'-0"

REVISED FOR BIDDING	10/27/15
Revisions:	Date

CONSULTANTS:
HEALTHCARE PLANNERS: VOA ARCHITECTS
MEPPF + TECH + STRUCT: KJWW CONSULTING ENGINEERS
CIVIL ENGINEER: JD ENGINEERING
COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
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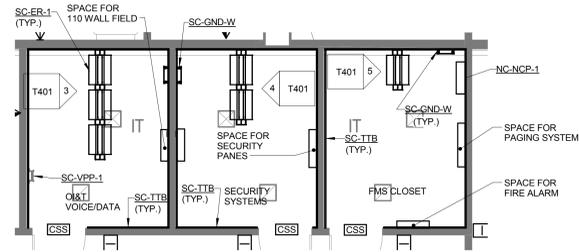
MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
 200 SOUTH HANLEY ROAD, STE. 1105, CLAYTON, MISSOURI 63105, 314-862-2112

Drawing Title
OVERALL FIRST FLOOR PLAN - ADDITION AND RENOVATION - TECHNOLOGY
 Approved: Project Director

Project Title RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER			Project Number 549-130
Location BONHAM, TEXAS			Building Number 1
Date APRIL 13, 2015	Checked DAVLAR	Drawn KEIEVE	Drawing Number T102
			Dwg. 134 of 142

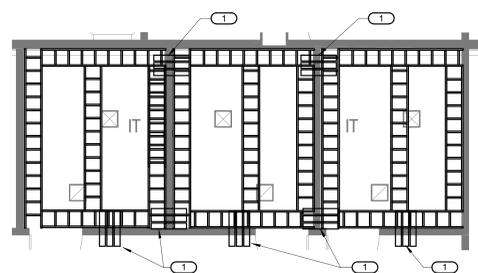
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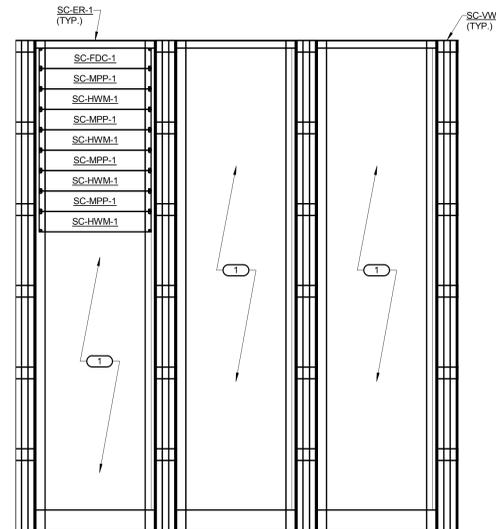
1 DATA ROOM ENLARGEMENT HC-1

- 1/4" = 1'-0"
- NOTES:
- CONTRACTOR SHALL MOUNT GROUND BAR (SC-GND-W) AT 7'-0" AFF.
 - CONTRACTOR SHALL PROVIDE FIRE RATED PATHWAYS AS NEEDED FOR CABLING REQUIREMENTS.
 - REFER TO 2/T401 FOR DATA ROOM PATHWAY ENLARGEMENT HC-1.
 - REFER TO 1/7501 FOR BONDING BUS BAR DETAIL.
 - REFER TO 3/7501 FOR TECHNOLOGY BONDING RISER DIAGRAM.
 - REFER TO 4/7501 FOR TELECOM ROOM BONDING FLOW DIAGRAM.



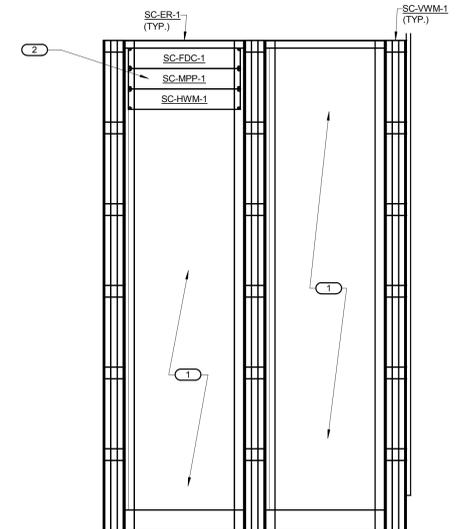
2 DATA ROOM PATHWAY ENLARGEMENT HC-1

- 1/4" = 1'-0"
- NOTES:
- CONTRACTOR SHALL MOUNT LADDER RACK AT 8'-0" A.F.F.
 - REFER TO 7/7501 FOR CABLE RUNWAY RADIUS DROP. PROVIDE CABLE RUNWAY RADIUS DROP FOR EACH RACK.
- KEYNOTES:
- THREE (3) 4" CONDUIT SLEEVES.



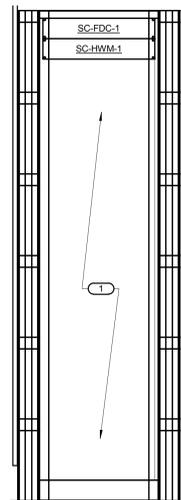
3 OI&T RACK ELEVATION HC-1

- NO SCALE
- NOTES:
- REFER TO 2/7501 FOR TELECOM RISER DIAGRAM.
- KEYNOTES:
- SPACE FOR OWNER PROVIDED EQUIPMENT.



4 SECURITY SYSTEMS RACK ELEVATION HC-1

- NO SCALE
- NOTES:
- REFER TO 2/7501 FOR TELECOM RISER DIAGRAM.
- KEYNOTES:
- SPACE FOR OWNER PROVIDED EQUIPMENT.
 - PATCH PANEL RESERVED FOR CAMERA CABLE TERMINATIONS.



5 FMS RACK ELEVATION HC-1

- NO SCALE
- NOTES:
- REFER TO 2/7501 FOR TELECOM RISER DIAGRAM.
- KEYNOTES:
- SPACE FOR OWNER PROVIDED EQUIPMENT.

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 CIVIL ENGINEER: JD ENGINEERING
 COST ESTIMATING: MOSS CONSTRUCTION COST MANAGEMENT
 INDUSTRIAL HYGIENE: JOHN A. JURGIEL & ASSOCIATES, INC.

ARCHITECT:

MICHAEL ROTH & ASSOCIATES, ARCHITECTS & PLANNERS, INC.
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Drawing Title
ROOM ENLARGEMENTS - TECHNOLOGY

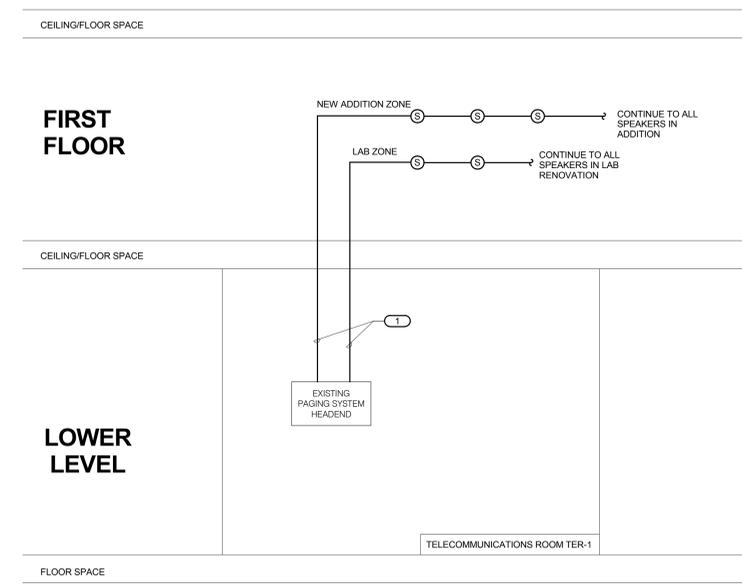
Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**

Project Number 549-130
 Building Number 1
 Drawing Number T401
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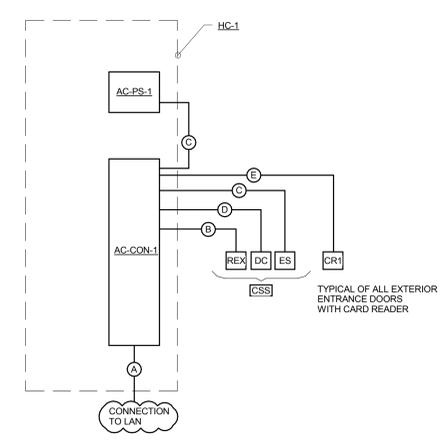
Office of Facilities Management

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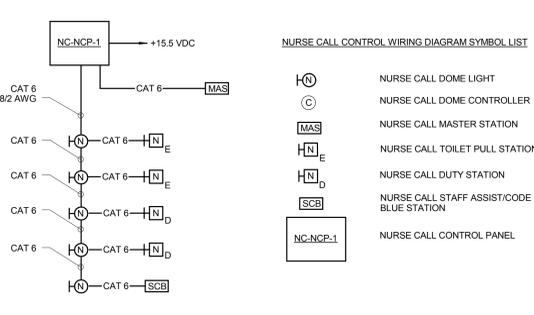
1 OVERHEAD PAGING SYSTEM RISER DIAGRAM

NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. PROPERLY BOND ALL DRAIN CONDUCTORS OF SHIELDED SPEAKER CABLES TO NEAREST SC-GND-W IN ORIGIN TELECOMMUNICATIONS ROOM ONLY.
 3. HORIZONTAL SPEAKER CABLING CONNECTING SPEAKERS AND VOLUME CONTROLS MAY BE T-TAPPED ONLY AT SPEAKER AND VOLUME CONTROL LOCATIONS. ALL HORIZONTAL SPEAKER CABLING CONNECTIONS SHALL BE MADE IN COVERED DEVICE BOXES OR JUNCTION BOXES. CONTRACTOR SHALL SIZE DEVICE BOXES AND JUNCTION BOXES PER APPLICABLE CODES FOR THE AMOUNT OF CABLING SERVED. MAINTAIN CONTINUITY OF DRAIN CONDUCTOR BETWEEN SECTIONS OF HORIZONTAL SPEAKER CABLE AT ALL CONNECTION POINTS. BACKBONE CABLES SHALL NOT BE SPLICED.
 4. ALL NECESSARY CONNECTIONS TO BE COMPLETED BY THIS CONTRACTOR.
 5. REFER TO T100 FOR LOCATION OF TER-1.
 KEYNOTES:
 1. 16 AWG, 4 WIRE TWISTED PAIR PLENUM RATED SPEAKER CABLE.



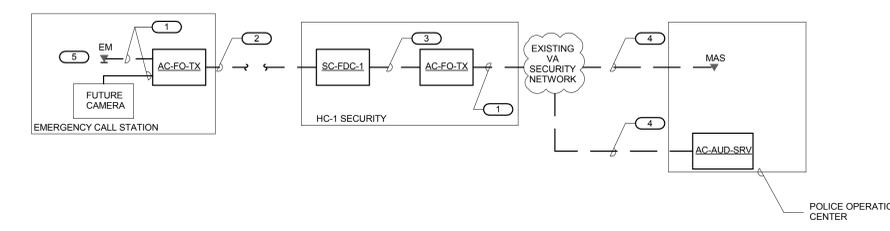
2 ACCESS CONTROL RISER DIAGRAM

NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND NOT INTENDED TO SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS.
 2. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE.
 3. ALL CABLING SHALL BE PLENUM RATED.
 4. REFER TO 8/501 FOR DOOR ROUGH-IN DETAIL.
 5. REFER TO T100 SERIES DRAWINGS FOR QUANTITIES AND LOCATIONS.
 6. EQUIPMENT LIST ABBREVIATION ARE UNDETERMINED. REFER TO T601 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR EQUIPMENT REQUIREMENTS.
 WIRING KEYNOTES:
 (A) CATEGORY 5E PATCHCORD
 (B) 18 AWG (4) FOUR CONDUCTOR STRANDED
 (C) 14 AWG (2) TWO CONDUCTOR STRANDED
 (D) 18 AWG (2) TWO CONDUCTOR STRANDED
 (E) 22 AWG (6) SIX CONDUCTOR STRANDED
 ACCESS CONTROL SYMBOL LIST:
 REX REQUEST TO EXIT DEVICE (PROVIDED BY DOOR HARDWARE VENDOR)
 DC DOOR POSITION SWITCH (PROVIDED BY DOOR HARDWARE VENDOR)
 ES ELECTRIC STRIKE (PROVIDE BY DOOR HARDWARE VENDOR)
 CR1 CARD READER (AC-CR1-W)



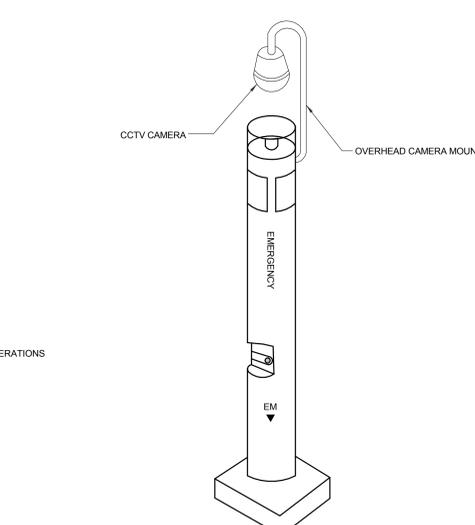
3 NURSE CALL STATION RISER DIAGRAM

NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION(S), LOCATIONS AND CABLE TYPE. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



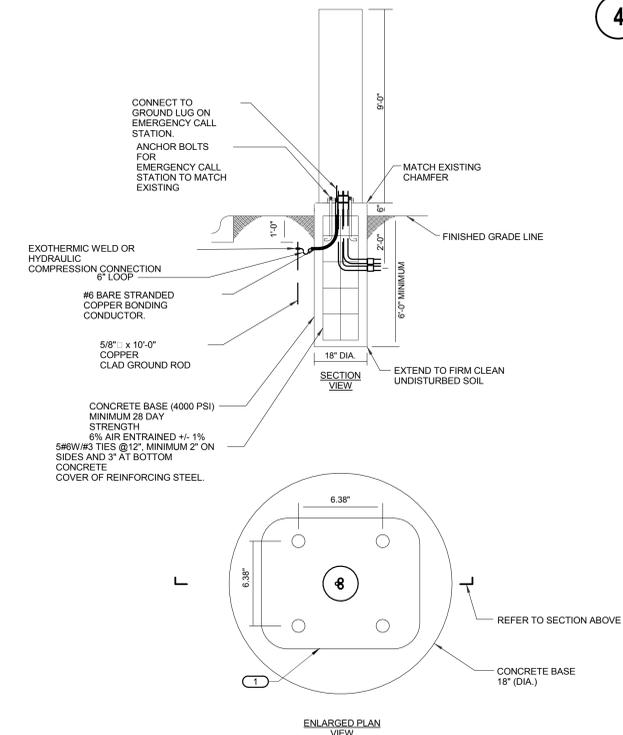
5 EMERGENCY CALL STATION RISER DIAGRAM

NO SCALE
 NOTES:
 1. LOCATE MASTER STATION IN SECURITY OFFICE LOCATED IN BUILDING 1. UTILIZE EXISTING NETWORK LOCATIONS IN SECURITY OFFICE. COORDINATE LOCATION WITH OWNER PRIOR TO INSTALLATION.
 KEYNOTES:
 1. CATEGORY 6 PATCH CORD. REFER TO SPECIFICATIONS.
 2. TWO STRANDS MM FIBER OPTIC CABLE. REFER TO SPECIFICATIONS AND T001.
 3. FIBER OPTIC PATCH CORD. REFER TO SPECIFICATIONS.
 4. CATEGORY 6 WORKSTATION CORD. REFER TO SPECIFICATIONS.
 5. REFER TO PLANS FOR EMERGENCY CALL STATION LOCATIONS.



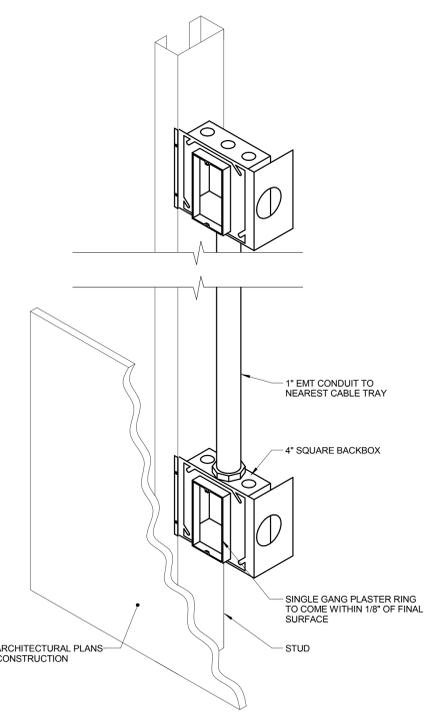
6 EMERGENCY CALL STATION DETAIL

NO SCALE
 NOTES:
 1. REFER TO ARCHITECTURAL SPECIFICATIONS FOR BASE STRUCTURAL AND MOUNTING REQUIREMENTS.
 2. CONTRACTOR SHALL PROTECT FINISH AT ALL TIMES DURING CONSTRUCTION.
 3. CONTRACTOR SHALL ROUTE CONDUITS FOR POWER AND LOW VOLTAGE REQUIRED CABLES. REFER TO SITE PLAN SHEET ES-PM1 FOR ELECTRICAL CONDUIT LOCATIONS AND QUANTITIES AND REFER TO SITE PLAN SHEET T001 FOR LOW VOLTAGE CONDUIT LOCATIONS AND QUANTITIES.
 4. CONTRACTOR SHALL COORDINATE COLOR AND SIGNAGE WITH OWNER PRIOR TO ORDERING EMERGENCY CALL STATIONS.
 5. REFER TO 5/7502 FOR EMERGENCY CALL STATION RISER DIAGRAM.



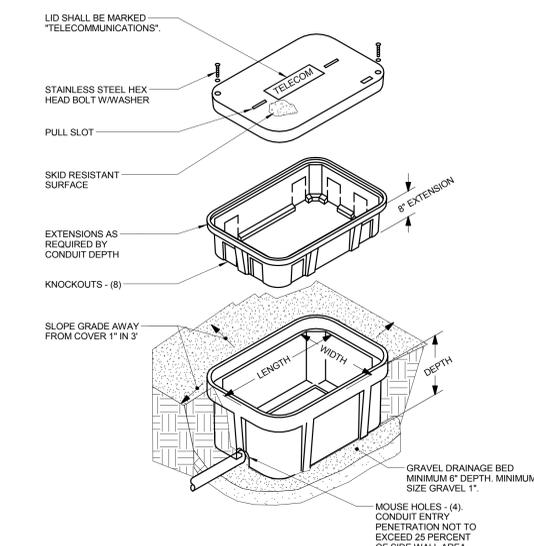
7 EMERGENCY CALL STATION BASE DETAIL

NO SCALE
 NOTES:
 1. THIS CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH AND INSTALL THE ENTIRE EMERGENCY CALL STATION PEDESTAL.
 2. REFER TO 5/7502 FOR EMERGENCY CALL STATION RISER DIAGRAM.
 3. REFER TO 8/7502 FOR EMERGENCY CALL STATION CAMERA MOUNT DETAIL.
 KEYNOTES:
 1. CONTRACTOR SHALL CAST BOLT PATTERN PER PRODUCT SPECIFICATION.



4 AV ROUGH-IN MOUNTING DETAIL

NO SCALE
 NOTES:
 1. REFER TO FLOOR PLANS FOR STANDARD MOUNTING HEIGHT.
 2. PROVIDE HDMI CABLE BETWEEN BACK BOXES AND HDMI CONNECTOR FACEPLATE.



8 EXTERIOR HAND HOLE DETAIL

NO SCALE
 NOTES:
 1. ALL DIMENSIONS ARE NOMINAL INSIDE CLEARANCES.
 2. ANY SPLICES OR DEVICES IN HAND-HOLE SHALL BE SUBMERGIBLE.

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ARCHITECT:

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Drawing Title
DETAILS - TECHNOLOGY
 Approved: Project Director

Project Title **RENOVATE AND EXPAND AMBULATORY CARE AND LAB. SAM RAYBURN MEMORIAL VETERANS CENTER**
 Project Number **549-130**
 Building Number **1**
 Drawing Number **T502**
 Date **APRIL 13, 2015**
 Checked **DAVLAR**
 Drawn **KEIVEE**
 Dwg. 141 of 142

Office of Facilities Management

